

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/008077

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C12Q1/68 C12N15/74

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12Q C12N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, EMBASE, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category ° | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|-----------------------|
| X | MURRAY R W ET AL: "Staphylococcus aureus cell extract transcription-translation assay: Firefly luciferase reporter system for evaluating protein translation inhibitors" ANTIMICROBIAL AGENTS AND CHEMOTHERAPY, AMERICAN SOCIETY FOR MICROBIOLOGY, WASHINGTON, DC, US, vol. 45, no. 6, June 2001 (2001-06), pages 1900-1904, XP002229663 ISSN: 0066-4804 cited in the application the whole document ----- -/-- | 1-8 |

☒ Further documents are listed in the continuation of box C.☐ Patent family members are listed in annex.

° Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

21 October 2004

Date of mailing of the international search report

02/11/2004

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category ° | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|-----------------------|
| X | <p>SIZEMORE C ET AL: "REGULATION OF STAPHYLOCOCCUS-XYLOSUS XYLOSE UTILIZATION GENES AT THE MOLECULAR LEVEL" JOURNAL OF BACTERIOLOGY, vol. 174, no. 9, 1992, pages 3042-3048, XP009020275 ISSN: 0021-9193 cited in the application</p> | 1-4 |
| Y | <p>the whole document</p> | 5-8 |
| X | <p>SCHIMIZ KARL-LUDWIG ET AL: "A cell-free protein translocation system prepared entirely from a Gram-positive organism" FEBS LETTERS, vol. 362, no. 1, 1995, pages 29-33, XP001155993 ISSN: 0014-5793 cited in the application</p> | 1-4 |
| Y | <p>the whole document</p> | 5-8 |
| A | <p>SCHINDLER PETRA THERESIA ET AL: "In vitro coupled transcription translation: Effects of modification in lysate preparation on protein composition and biosynthesis activity" ELECTROPHORESIS, vol. 21, no. 13, July 2000 (2000-07), pages 2606-2609, XP001155992 ISSN: 0173-0835 cited in the application</p> | |
| A | <p>the whole document</p> <p>MAHMOOD R ET AL: "AN IN-VITRO COUPLED TRANSCRIPTION-TRANSLATION SYSTEM FROM STAPHYLOCOCCUS-AUREUS" GENE (AMSTERDAM), vol. 106, no. 1, 1991, pages 29-34, XP001155994 ISSN: 0378-1119 cited in the application</p> | |
| | <p>the whole document</p> | |

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International application No.
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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:

3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☒ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-8

DNA material comprising a T7 promoter, a ribosome binding site, and a reporter gene which is operably linked to the promoter; methods of using said DNA material,

2. claims: 1-8

DNA material comprising the xylA promoter, a ribosome binding site, and a reporter gene which is operably linked to the promoter; methods of using said DNA material.
